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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Tomoyuki Ohno

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EXAMINER

HUYNH, SON P

ART UNIT

PAPER NUMBER

2623

MAIL DATE

DELIVERY MODE

06/14/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	09/995,378		OHNO, TOMOYUKI	
	<b>Examiner</b>		<b>Art Unit</b>	
	Son P. Huynh		2623	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 13 April 2007.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 36,38,41,43,46-49,52-54 and 57 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 36,38,41,43,46-49,52-54 and 57 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 April 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 02/09/2007 has been entered.

### ***Response to Arguments***

2. Applicant's arguments with respect to claims 36,38,41,43, 46-49, 52-54, 57 have been considered but are moot in view of the new ground(s) of rejection..

Claims 1-35, 37, 39-40, 42, 44-45, 50-51, 55-56 have been canceled.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 36,38,41,43, 46-49, 52-54, 57 are rejected under 35 U.S.C. 102(e) as being anticipated by Alexander et al. (US 6,177,931).

Regarding claim 36, Alexander discloses a display control apparatus (receiver and user input device) for causing a display apparatus (television set/monitor) to display an electronic program table including a list display area (grid guide 22) for displaying a list of program information of a plurality of programs and a detail display area (e.g. area for displaying detail information of program in either PIP window 12 detail box 24) for displaying detail program information of each of the plurality of programs (see include, but not limited to, figure 1), comprising:

inputting means (interpreted as user input device such as remote control 26, joy stick, track ball – col. 3, lines 10-55; col. 4, lines 45-67; col. 9, lines 1-21, figure 2) for receiving an input of a selection instruction for selecting a desired program from among the plurality of program displayed in the list display area (e.g. selecting television program on tile 52 on the Grid Guide 22 by moving the cursor to highlight tile 52 using the user input device – see include, but not limited to, figure 1, col. 3, lines 20-55; col. 22, lines 20-63);

displaying means for displaying (on screen display controller and television display – figure 1, col. 3, lines 50-55) in the detail display area (interpreted as area PIP window 12 or area information box 24 or area in Grid guide 22– figure 1), detailed program information of the program selected by the selection instruction the input of which is received by the inputting means (interpreted as displaying program correspond to the highlighted/selected tile in the area of PIP window 12 or display detail information of the highlighted/highlighted tile when the tile is highlighted/selected using the input device – see include, but are not limited to, figures 1, 3, col. 3, lines 20-62, col. 4, line 50-col. 5, line 15, col. 13, lines 47-67; col. 15, lines 47-64, col. 18, lines 13-32);

controlling means for controlling the displaying means (e.g. television receiver with processor for controlling the screen display controller and television display– col. 3, lines 3-55, col. 5, lines 20-53) so that, when the inputting means receives the input of the selection instruction of a second program after the displaying means displays the detailed program information of a first program in the detail display area in accordance – see include, but are not limited to, with the input of the selection instruction of the first program being received by the input means, the displaying means expands the detail display area and displays the detailed program information of the first program and the detailed program information of the second program in the expanded detail display area (television receiver with processor, in response to user selection of a program by highlighting or selecting a tile on the Grid guide 22, controls the screen display controller and television display to display program content of the highlighted/selected program in area of PIP window or to display detailed information of the

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highlighted/selected program in the area of detail information box or area of Grid guide 22; the user then uses the input device to move to highlight/select another program in another tile on the Grid guide 22, the program content and/or detailed information corresponding to the highlighted/selected tile is displayed in the area of PIP and/or in the area of detail information box or area of Grid guide – see include, but are not limited to, col. 3, lines 55-col. 4, line 12, col. 4, line 52-col. 5, line 4, col. 17, line 48-col. 19, line 45, figures 1, 3, 5, 6, 8-10b), wherein the limitation “displaying means expands the detail display area” is interpreted as the screen display controller and display device to provide area (e.g., area in PIP window, area in detail information box, and/or area in Grid guide) to include area for displaying information of the new highlighted/selected program, and “...displays the detailed program information of the first program and the detailed information of the second program in the expanded detailed display area” is interpreted as area the PIP and/or area in the detail information box, and/or area in the Grid guide for displaying the program content and/or program to the previous selected program and program content and/or detail program information of the currently highlighted/selected program either simultaneously (for example, in response to user selection of another the program on the Grid Guide while the PIP window is locked, the “detail information” of previous selected program is displayed on the area of PIP window and the detailed information of currently highlighted/selected program is displayed on the area of detail information box or area of the Grid guide. In this case, the expanded detail display area comprises area in the PIP or area in the detail information box for displaying detail information of previous selected program and the area in detail

information box or area in Grid guide for displaying the currently highlighted/selected program) or one after another (for example, the detailed information of previously selected program is displayed in area of the PIP, or area of the detail information box, or area of the Grid guide, and in response to user selection of another program in the Grid guide, the detail information of the currently highlighted/selected program is display in the area PIP or area of detail description box or area of Grid guide. In this case, the "expanded detail display area" is interpreted as area in the PIP or area in detail information box or area in Grid guide for displaying detail information of previously selected program and then detail information of currently highlighted/selected program).

Regarding claim 38, Alexander further discloses the program information includes a program name (e.g. PRIME TIME, SPICE GIRLS CONCERT TONIGHT, etc. – figure 1), and the detailed program information includes information at least one of detailed information on content of the programs, information on a genre of the program and information on a charge of the program (e.g. detail description, program content, etc. – figures 1, 3, 4b, 8, col. 3, lines 55-62, col. 15, lines 49-55, col. 17, line 48-col. 19, line 45).

Regarding claims 41, 43, the limitations of the method that correspond to the limitations of the display controlling apparatus in claims 36, 38 are analyzed as discussed with respect to the rejections of claims 36, 38.

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Regarding claims 47, the limitations that correspond to the limitations in claim 36 are analyzed as discussed with respect to the rejections of claims 36, wherein the limitation of "designating means..." correspond to the limitation "displaying means...." in claim 36.

Alexander further discloses when the user moves the cursor to highlight/select a program on the Grid guide, the screen display controller and television is either display detailed information of the highlighted/selected program depends on the status (e.g., whether the PIP window is locked, whether the program is highlighted without pressing enter key, or whether instruction signal to select a program is received at the screen display controller and television display after the user select a program, etc.) – see include, but are not limited to, col. 3, line 20-col. 4, line 12, col. 4, line 48-col. 5, line 5, col. 17, line 48-col. 18, line 67). Thus, controlling means for effecting a first mode for causing said display apparatus to display detailed program information of a predetermined program in the detailed display area, when said inputting means receives the input of selection instruction for selecting the predetermined program from among the plurality of program and said designating means does not designate the selected predetermined program, and effecting, when said inputting means receives the input of the selection instruction for selecting the predetermined program from among the plurality of programs and said designating means designates the selected predetermined program (e.g., television receiver, or processor, in response to the user instruction to highlight/select a program from a plurality of programs on the Grid guide, controls the screen display controller and television display whether to display the detail information or not based on the status of the receiver such as whether the PIP is locked



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(if PIP is locked, detail information of currently highlight program is not displayed), whether the “enter” or “infor” key has been pressed (if not, detailed information of currently highlight program is not displayed), or whether the user instruction is received in response to user selection/highlight of a program (if not, for example, due to physical connection problem, as a result, the detail information of the selected/highlighted program is not displayed).

Alexander further discloses the second display mode for maintaining the fixed display state of the detailed program information of the predetermined program in the detail display area and then causing the display apparatus to display detailed information of another program the selection instruction of which is received by the inputting means (when user instruction is received in response user moving the cursor to highlight/select another program on the Grid guide after the detailed information is displayed on the area of PIP, area of detail information box, or area of the Grid guide, the detail information of the previously highlighted/selected program is maintained in fixed display state (for example, in the area of PIP if the PIP is locked, or in the area of detail information box if the “infor” is not selected, or in the area/tile of the grid guide after the cursor is moved to another tile), and causing the detailed information of currently highlighted/selected program to display (see include, but are not limited to, see include, but are not limited to, col. 3, line 20-col. 4, line 12, col. 4, line 48-col. 5, line 5, col. 17, line 48-col. 18, line 67).

For the limitation “wherein in the second display mode, said controlling means...” is interpreted as the television receiver, processor controls the screen display controller

and television display to display detailed information of the previously highlighted/selected program and detailed information of the currently highlighted/selected program as discussed in the rejection of claim 36.

Regarding claim 48, Alexander further discloses in the second display mode, the controlling means causes display apparatus to display the detailed program information of the another program the selection instruction of which is received by the inputting means, in the list detail display area in a pop-up display manner (when selection instruction is received by the user input device in response to user highlight/select a program on the Grid guide, Grid guide 22 details about the program represented by the highlighted tile are displayed – see include, but are not limited to, col. 4, lines 49-67, col. 17, line 48-col. 18, line 53, figures 1, 3, 4A).

Regarding claim 49, the additional limitations as claimed correspond to the additional limitations as claimed in claim 38, and are analyzed as discussed with respect to the rejection of claim 38.

Regarding claims 52-54, the limitations of the method as claimed correspond to the limitation of the display controlling apparatus as claimed in claims 47-49, and are analyzed as discussed with respect to the rejections of claims 47-49.

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Claims 46 and 57 are directed toward embody the method of any one of claims 41 and 52 respectively in "recording medium computer-readably". Alexander also discloses the processor performs all functions using instructions stored in memory of the system such as RAM or ROM (see include, but not limited to, col. 5, lines 5-58, col. 8, lines 20-35). Inherently, the system comprises recording medium computer-readably (ROM or RAM) recording a program for causing a computer (processor/controller) to execute the display control method set out in one of claims 41, 52 so that the controller/processor performs all functions automatically.

### ***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Nishina et al. (US 2006/0294544 A1) discloses transmitter system and transmitting method, receiver system and receiving method and transmission media.

Tanaka (US 2003/0115600 A1) discloses information transmitting method and television broadcast receiver.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Son P. Huynh whose telephone number is 571-272-7295. The examiner can normally be reached on 9:00 - 6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher S. Kelley can be reached on 571-272-7331. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Son P. Huynh

June 8, 2007

A handwritten signature in black ink, appearing to read 'Son P. Huynh', with a stylized flourish at the end.